
Supplementary Materials:

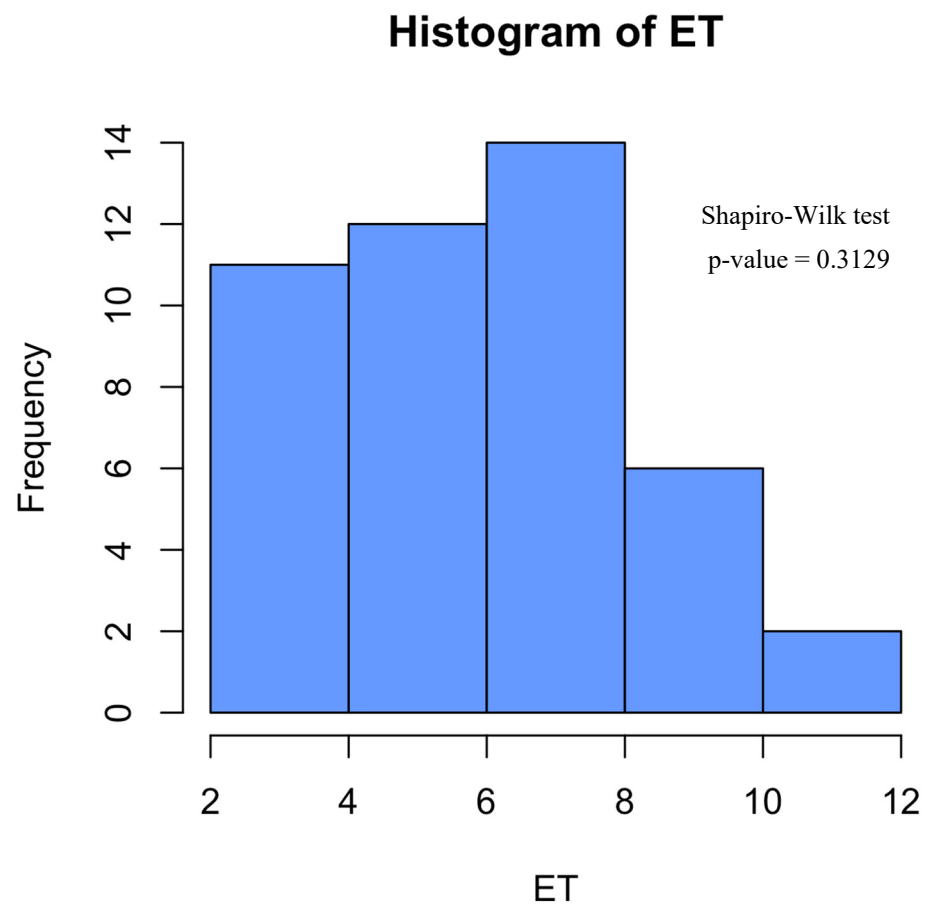


Figure S1. Histogram of ET and Shapiro-Wilk normality test attesting normality.

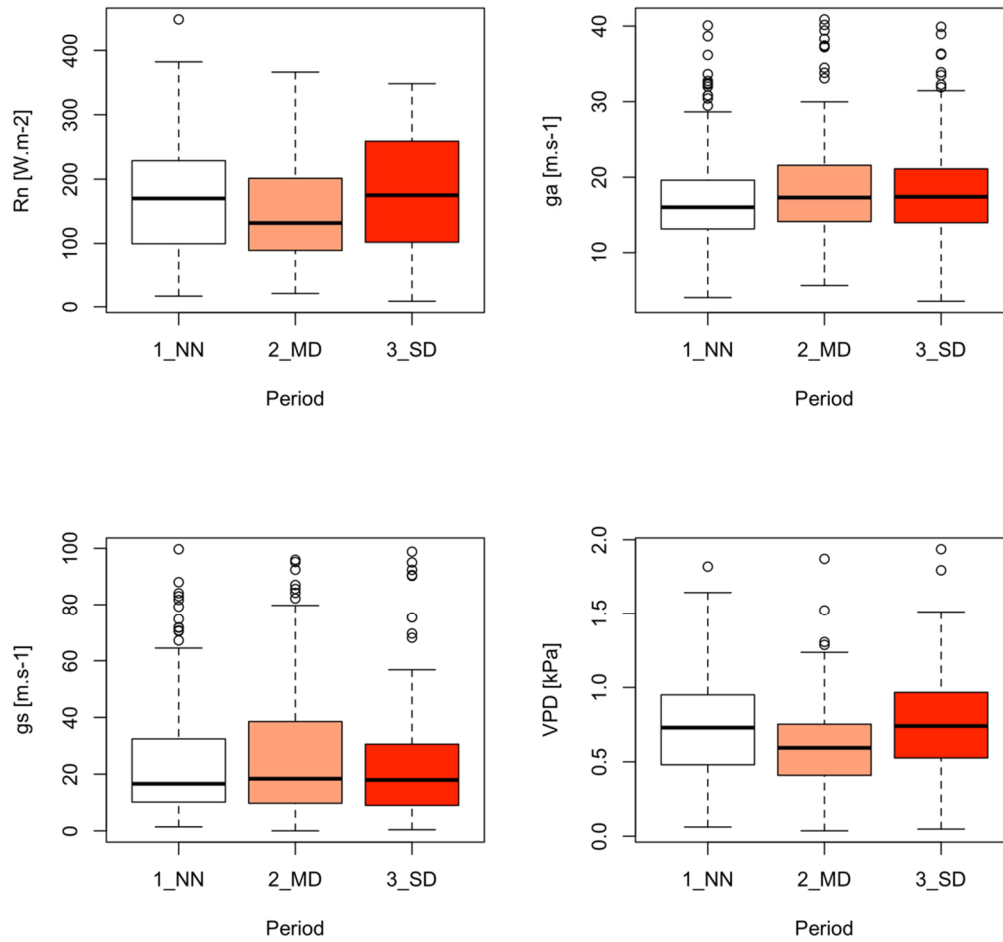


Figure S2. Box-plots of daily R_n (upper left), g_a (upper right), g_s (lower left), and VPD (lower right) in a seasonally dry Atlantic Forest under different drought periods (NN = Near Normal; MD = Moderately Dry; SD = Severely Dry).

Table S1. GLM models of ET and the likely explanatory variables R_n , g_a , g_s , SWS, VPD, and period.

(Intercept)	Period	scale(g_a)	scale(g_s)	scale(R_n)	scale(Storage)	scale(VPD)	AICc	delta	weight
5.60	NA	0.17	0.29	1.90	NA	0.38	3.36	0.00	0.78
5.60	NA	0.17	0.28	1.87	0.04	0.38	6.79	3.43	0.14
5.60	NA	NA	0.28	2.01	NA	0.26	9.66	6.31	0.03
5.55	+	0.16	0.32	1.88	NA	0.38	9.82	6.46	0.03
5.60	NA	NA	0.28	2.00	0.01	0.26	13.23	9.87	0.01
5.66	+	NA	0.31	1.96	NA	0.28	14.72	11.36	0.00
5.55	+	0.16	0.31	1.87	0.01	0.38	15.04	11.68	0.00
5.60	NA	NA	NA	2.30	NA	NA	17.20	13.85	0.00
5.60	NA	0.16	NA	2.16	NA	0.19	17.21	13.85	0.00
5.60	NA	NA	0.11	2.24	NA	NA	17.55	14.19	0.00
5.60	NA	NA	NA	2.25	NA	0.09	18.57	15.22	0.00
5.65	+	NA	0.32	1.98	-0.03	0.28	19.15	15.80	0.00
5.60	NA	0.06	NA	2.28	NA	NA	19.21	15.85	0.00
5.60	NA	0.17	NA	2.08	0.09	0.20	19.59	16.24	0.00
5.60	NA	NA	NA	2.26	0.05	NA	19.79	16.43	0.00

5.60	NA	0.03	0.10	2.23	NA	NA	20.53	17.18	0.00
5.60	NA	NA	0.11	2.22	0.03	NA	20.67	17.31	0.00
5.60	NA	NA	NA	2.21	0.06	0.09	21.37	18.01	0.00
5.60	NA	0.06	NA	2.24	0.06	NA	21.99	18.63	0.00
5.68	+	NA	NA	2.28	NA	NA	23.06	19.71	0.00
5.60	+	NA	0.13	2.22	NA	NA	23.73	20.37	0.00
5.60	NA	0.04	0.10	2.21	0.04	NA	23.97	20.62	0.00
5.64	+	0.15	NA	2.15	NA	0.19	24.83	21.47	0.00
5.74	+	NA	NA	2.23	NA	0.10	24.89	21.53	0.00
5.62	+	0.06	NA	2.27	NA	NA	25.95	22.59	0.00
5.69	+	NA	NA	2.25	0.05	NA	26.41	23.05	0.00
5.58	+	0.02	0.12	2.22	NA	NA	27.66	24.30	0.00
5.60	+	NA	0.13	2.22	0.00	NA	27.79	24.43	0.00
5.65	+	0.17	NA	2.07	0.10	0.21	27.99	24.63	0.00
5.75	+	NA	NA	2.18	0.06	0.10	28.49	25.14	0.00
5.63	+	0.06	NA	2.23	0.06	NA	29.63	26.27	0.00
5.58	+	0.03	0.12	2.21	0.01	NA	32.25	28.89	0.00
5.60	NA	0.67	0.98	NA	0.63	1.45	77.98	74.62	0.00
5.60	NA	0.71	1.32	NA	NA	1.73	80.68	77.33	0.00
5.60	NA	NA	1.19	NA	0.69	1.25	83.17	79.81	0.00
5.60	NA	NA	1.57	NA	NA	1.55	85.26	81.90	0.00
5.91	+	0.59	1.33	NA	NA	1.64	86.05	82.69	0.00
5.98	+	0.61	0.98	NA	0.59	1.43	86.15	82.79	0.00
6.41	+	NA	1.49	NA	NA	1.46	87.37	84.01	0.00
5.60	NA	0.91	NA	NA	1.16	1.16	87.62	84.26	0.00
6.49	+	NA	1.17	NA	0.55	1.24	88.30	84.94	0.00
6.57	+	0.83	NA	NA	1.20	1.15	92.92	89.57	0.00
5.60	NA	NA	NA	NA	1.40	0.79	94.26	90.90	0.00
7.47	+	NA	NA	NA	1.32	0.82	96.82	93.47	0.00
5.60	NA	NA	0.64	NA	1.37	NA	96.87	93.52	0.00
5.60	NA	NA	NA	NA	1.67	NA	97.10	93.74	0.00
5.60	NA	0.47	NA	NA	1.60	NA	97.86	94.51	0.00
5.60	NA	1.22	NA	NA	NA	1.65	98.68	95.32	0.00
5.60	NA	0.30	0.51	NA	1.39	NA	99.32	95.96	0.00
7.37	+	NA	NA	NA	1.59	NA	100.33	96.98	0.00
6.91	+	NA	0.53	NA	1.30	NA	102.04	98.68	0.00
6.99	+	0.34	NA	NA	1.58	NA	102.89	99.53	0.00
7.03	+	1.00	NA	NA	NA	1.54	103.69	100.33	0.00
6.77	+	0.19	0.44	NA	1.35	NA	105.79	102.44	0.00
5.60	NA	NA	1.28	NA	NA	NA	105.84	102.48	0.00
5.60	NA	NA	NA	NA	NA	1.26	106.21	102.85	0.00
8.20	+	NA	NA	NA	NA	1.18	106.73	103.37	0.00
6.87	+	NA	1.19	NA	NA	NA	107.76	104.40	0.00
5.60	NA	0.20	1.20	NA	NA	NA	108.54	105.18	0.00
6.91	+	-0.05	1.20	NA	NA	NA	111.35	108.00	0.00
5.60	NA	NA	NA	NA	NA	NA	111.98	108.62	0.00
8.28	+	NA	NA	NA	NA	NA	112.39	109.03	0.00
5.60	NA	0.69	NA	NA	NA	NA	112.41	109.05	0.00
7.88	+	0.36	NA	NA	NA	NA	115.01	111.66	0.00

Table S2. Explanatory variables of ET in the final GLM model.

```
lm(formula = ET ~ <2 unique rhs>, data = data1, na.action = na.fail)
```

Component models:

	df	logLik	AICc	delta	weight
1235	6	6.79	3.36	0.00	0.85
12345	7	7.11	6.79	3.43	0.15

Term codes:

scale(ga)	scale(gs)	scale(Rn)	scale(Storage)	scale(VPD)
1	2	3	4	5

Model-averaged coefficients:

(full average)

	Estimate	Std. Error	Adjusted SE	z value	Pr(> z)
(Intercept)	5.59720	0.04192	0.04479	124.962	< 2e-16 ***
scale(ga)	0.16926	0.05426	0.05798	2.919	0.00351 **
scale(gs)	0.28970	0.06482	0.06925	4.183	2.87e-05 ***
scale(Rn)	1.89681	0.08483	0.09056	20.946	< 2e-16 ***
scale(VPD)	0.37889	0.07418	0.07927	4.780	1.80e-06 ***
scale(Storage)	0.00672	0.02949	0.03101	0.217	0.82844

(conditional average)

	Estimate	Std. Error	Adjusted SE	z value	Pr(> z)
(Intercept)	5.59720	0.04192	0.04479	124.962	< 2e-16 ***
scale(ga)	0.16926	0.05426	0.05798	2.919	0.00351 **
scale(gs)	0.28970	0.06482	0.06925	4.183	2.87e-05 ***
scale(Rn)	1.89681	0.08483	0.09056	20.946	< 2e-16 ***
scale(VPD)	0.37888	0.07418	0.07927	4.780	1.80e-06 ***
scale(Storage)	0.04405	0.06368	0.06826	0.645	0.51874

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1